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APPLICANT: ONO PHARMACEUT CO LTD;

INVENTOR: HAMANAKA NOBUYUKI;

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TITLE

PHENYLALKANOIC ACID

@(3754/24)PHENYLALKENOIC ACID)

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ABSTRACT :

PURPOSE: To provide the subject compound having leukotriene B4 antagonistic activity, thus useful for preventing and/or curing allergic dermatosis, rheumatism, gout, psoriasis, arthritis, trichophytosis, or cardiac infarction.

CONSTITUTION: The objective compound of formula I {A is NHCO, O, NHSO2, CO, CH2 or C(OH)H; W is 1-13C alkylene, phenylene or of formula II; R1 is H, 1-4C alkyl, COOH, 4 to 7-membered monoheterocycle containing one saturated or unsacurated nitrogen atom, one oxo-substituted 4 to 7-membered monoheterocycle containing one nitrogen atom, etc.; A, W and R1 are combined into a fragment of formula III to V. etc.: Y is ethylene or vinylene; D is X-B or of formula VI [Z is alkylene or alkenylene; B

is of formula VII (R3 is H, alkyl, etc.; n is 1-3); R4 is alkylene; R⁵ is alkyl, phenethyl, etc.]}, e.g. 3-{1-[7-(4-

methoxyphenyl)-n-heptyl]-oxy-4-(4-dimethylaminocarbonylbutanamido)benzene-2-

yl}propionic acid.

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